EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 10062599
PUBLICATION DATE : 06-03-98

APPLICATION DATE : 20-08-96
APPLICATION NUMBER : 08218416

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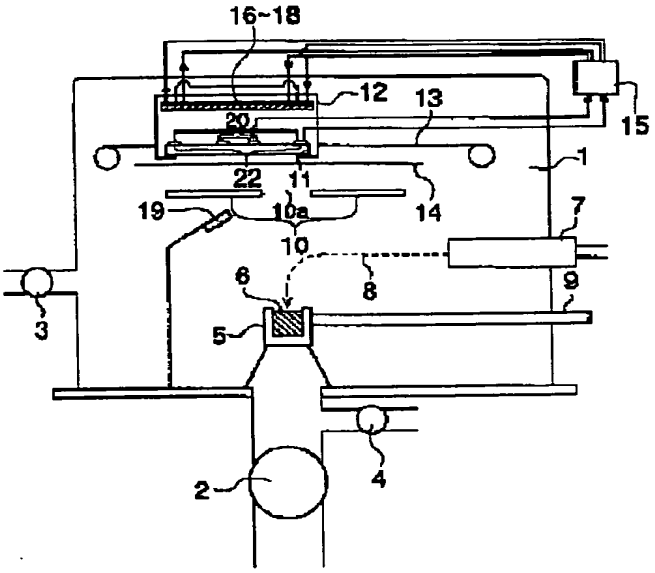
INT.CL. : G21K 4/00

TITLE : METHOD AND EQUIPMENT FOR MANUFACTURING RADIOGRAPHIC IMAGE CONVERSION PANEL



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a panel of which the central part and the peripheral edge part are both excellent in sensitivity, graininess and sharpness, by dividing the rear side of a base into a plurality of areas from the central part to the peripheral edge part and by heating the areas by a plurality of heating means to a temperature at which a minute crystal structure of a deposited fluorescent substance is obtained.

SOLUTION: A means 16 for heating a central part and means 17 and 18 for heating right and left and front and rear parts which are driven and controlled independently by a control means 15 for heating a base 11 are provided. On the upper side of the base 11, temperature sensors 20-22 such as thermistors or thermocouples are stuck to the central part and edge parts on the right and the left and in the front and the rear so that they correspond to the heating means 16-18 respectively. On the occasion when evaporation of an evaporation source substance 6 on the base 11 is conducted, the control means 15 drives each heating means on the basis of detected information of each of the sensors 20-22 so that a detected temperature of each sensor be the same prescribed temperature. Therefore a deposited fluorescent substance layer of a minute crystal structure can be formed uniformly in a layer thickness enabling the attainment of sufficient sensitivity on both the central part and the peripheral edge part of the base 11, and a panel being excellent in both graininess and sharpness is obtained.

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